

AMENDMENTS TO THE CLAIMS

Claims 1-20 (Cancelled)

21. (Currently Amended) A projection type image display apparatus, comprising:

a light source;

an illumination optical system;

a reflection image display device;

a projection lens;

a reflection polarizing plate which ~~has function~~ functions as polarizer and analyzer for said reflection image display device by diffraction; and

an astigmatism corrector which is located between said reflection polarizing plate and said projection lens in a light path after being reflected by said reflection image display device, said light path differs from an incidence light path to said reflection image display device, and corrects astigmatism which occurs with said reflection polarizing plate;

wherein an image light reflected by said reflection image display device is irradiated on a working plane side of said reflection polarizing plate, and then reaches said projection lens after passing through said reflection polarizing plate.

22. (Previously Presented) A projection type image display apparatus as defined in claim 21, further comprising at least one of:

an auxiliary polarizer which is located between said light source and said reflection polarizing plate in the light path; and

an auxiliary analyzer which functions as an analyzer located between said reflection polarizing plate and said projection lens in said light path.

23. (Currently Amended) A projection type image display apparatus as defined in claim 21, further comprising a dichroic mirror group which separates the light from said light source into red light, green light and blue light; and

a cross dichroic prism which combines red light, green light and blue light from said reflection image display device[[,]] ; and

half-waveplates located between said reflection image display device for red light and said cross dichroic prism, and between said reflection image display device for blue light and said cross dichroic prism,

wherein said reflection image display device and said reflection polarizing plate each comprises of three pieces, the object for the red light, the object for the green light, and the object for the blue light, respectively.

Claims 24-28 (Cancelled)

29. (New) A projection type image display apparatus, comprising:

a light source;

an illumination optical system;

a reflection image display device;

a projection lens;

a reflection polarizing plate which ~~has function~~ functions as polarizer and analyzer for said reflection image display device by diffraction; and

an astigmatism corrector that corrects astigmatism which occurs with said reflection polarizing plate;

wherein a light from said illumination optical system is irradiated to said reflection image display device after being reflected in said reflection polarizing plate, and the image light reflected by said reflection image display device is irradiated on a working plane side of said reflection polarizing plate, and then reaches said projection lens after passing through said reflection polarizing plate.

30. (New) A projection type image display apparatus as defined in Claim 29, further comprising at least one of:

an auxiliary polarizer which is located between said light source and said reflection polarizing plate in a light path; and

an auxiliary analyzer which functions as an analyzer located between said reflection polarizing plate and said projection lens in said light path.

31. (New) A projection type image display apparatus as defined in Claim 29, further comprising:

a dichroic mirror group which separate the light from said light source into red light, green light and blue light;

a cross dichroic prism which combines red light, green light and blue light from said reflection image display device; and

half-wave plates located between said reflection image display device for red light and said cross dichroic prism, and between said reflection image display device for blue light and said cross dichroic prism,

wherein said reflection image display device and said reflection polarizing plate are comprise three pieces, the object for red light, the object for green light, and the object for blue light, respectively.